

P-adic ψ_4 -theory as a functional equation problem

Missarov M.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

p-adic ψ_4 -theory and its discrete hierarchical version are related by integral functional equation. Simple renormalization procedure, using the solution of this functional equation, is discussed in the massless case. © 1997 Kluwer Academic Publishers.

Keywords

Functional equation, P-adic and hierarchical models, Renormalization, Renormalization group